

**TECHNICAL DATA SHEET**

**Recombinant Human MIP-5 (CCL15) (Carrier-Free)**

Catalog Number: 21-9154

**RPx-Pro™ Recombinant Protein**  
**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Human MIP-5 (CCL15) (Carrier-Free)

**DESCRIPTION**

MIP-5 is a CC chemokine that is expressed in the heart, skeletal muscle and adrenal gland. MIP-5 primarily signals through the CCR1 receptor, but has also been found to bind to CCR3. MIP-5 is chemotactic towards T cells and monocytes.

**MOLECULAR MASS**

Recombinant Human MIP-5 is a 10.1 kDa protein containing 92 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

**AMINO ACID SEQUENCE**

QFTNDAETEL MMSKLPLENP VVLNSFHFAA DCCTSYISQS IPCSLMKSYF ETSSECSKPG VIFLTKKGRQ VCAKPSGPGV QDCMKKLPY SI

**SOURCE**

E. coli

**APPLICATIONS**

Bioassay

**PURITY**

98 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

**ENDOTOXIN LEVEL**

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

**AUTHENTICITY**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**CROSS REACTIVITY**

Bacteria, Human, Mouse

**BIOACTIVITY**

Determined by its ability to chemoattract human T lymphocytes using a concentration range of 1.0-10.0 ng/ml.

**RESEARCH AREAS**

Wound Healing, Chemotaxis

**RECONSTITUTION**

See Certificate of Analysis (COA) for lot specific reconstitution information.

**REFERENCES**

Aliberti, J. CCR5 provides a signal for microbial induced production of IL-12 by CD8a+ dendritic cells. 2000. Nature Immunology; 1(1):83-7. Bahar, M.W. Structure and function of A41, a vaccinia virus chemokine binding protein. 2008. PLoS Pathogens; 4(1):e5.

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